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Fish and Game Commission



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Wildlife Heritage and Conservation

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June 17, 2015

NOTICE OF PROPOSED EMERGENCY ACTION **Measures for Fisheries at Risk Due to Drought Conditions**

Pursuant to the requirements of Government Code section 11346.1(a)(1), the Fish and Game Commission (Commission) is providing notice of proposed emergency action with regards to the above-entitled emergency regulation.

SUBMISSION OF COMMENTS

Government Code section 11346.1(a)(2) requires that, at least five working days prior to submission of the proposed emergency action to the Office of Administrative Law (OAL), the adopting agency provide a Notice of the Proposed Emergency Action to every person who has filed a request for notice of regulatory action with the agency. After submission of the proposed emergency to OAL, OAL shall allow interested persons five calendar days to submit comments on the proposed emergency regulations as set forth in Government Code Section 11349.6.

Any interested person may present statements, arguments or contentions, in writing, submitted via U.S. mail, e-mail or fax, relevant to the proposed emergency regulatory action. Written comments submitted via U.S. mail, e-mail or fax must be received at OAL within five days after the Commission submits the emergency regulations to OAL for review.

Please reference submitted comments as regarding "Fisheries at Risk Due to Drought Conditions" addressed to:

Mailing Address: Reference Attorney
Office of Administrative Law
300 Capitol Mall, Suite 1250
Sacramento, CA 95814

California State
Fish and Game Commission
Attn: Jon Snellstrom
1416 Ninth Street, Rm. 1320
Sacramento, CA 95814

E-mail Address: staff@oal.ca.gov
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For the status of the Commission's submittal to OAL for review, and the end of the five-day written submittal period, please consult OAL's website at <http://www.oal.ca.gov> under the heading "Emergency Regulations."

**CALIFORNIA FISH AND GAME COMMISSION
STATEMENT OF PROPOSED EMERGENCY REGULATORY ACTION**

Emergency Action to
Add Section 8.01,
Title 14, California Code of Regulations
Re: Special Measures for Fisheries at Risk due to Drought Conditions

I. Statement of Facts Constituting the Need for Emergency Regulatory Action

California continues to suffer under severe drought conditions with record low snow packs in 2014 and 2015. In early 2014, Governor Edmund G. Brown Jr. proclaimed a State of Emergency for California directing state officials to take all necessary actions to prepare for the record level of drought conditions and also signed an Executive Order redoubling state drought actions with additional measures to strengthen the state's response to drought. On April 1, 2015, the Governor ordered state agencies to impose statewide mandatory water restrictions that will save water, increase enforcement against water waste, streamline the state's drought response, and invest in new drought resilient technologies for California.

The hydrological conditions in 2015 are expected to deteriorate from the record low 2014 conditions. The Department of Fish and Wildlife (Department) continues to evaluate and manage the changing impacts of drought on threatened and endangered species and species of special concern, and develop contingency plans for state Wildlife Areas and Ecological Reserves to manage reduced water resources in the public interest.

Statewide water quality and quantity in many systems is likely to be inadequate to support fisheries as the summer progresses, resulting in impeded passage of spawning fish, increased vulnerability to mortality from predation and physiological stress, and increased angling harvest and/or hooking mortality. Furthermore, survival of eggs and juvenile fish in these systems over the coming months will be extremely low. The historically low water conditions will concentrate coldwater fish populations into shrinking pools of cold water habitat making them easy prey for illegal angling methods such as snagging, increased hooking mortality due to legal catch and release, over-harvest, as well as other human-related disturbances within their freshwater habitat. When coupled with drought-related environmental stressors, such as high water temperature, low dissolved oxygen, and severely reduced suitable habitat, these stressors can seriously affect reproductive success and survival rates.

Since 2014, the Department has worked with the Fish and Game Commission (Commission), using the best available science, to determine whether restricting fishing in certain areas will become necessary and prudent as drought conditions persist. The Department and the Commission have determined that a temporary approach is needed to give the Department effective tools to respond more rapidly to the deteriorating water quality and quantity conditions in California's waters for 2015.

Regulatory Proposal

Environmental conditions resulting from the drought may require temporary restrictions on fishing to protect fish populations and sustain future opportunity. These conditional changes may affect each waterbody and fish population differently based on hydrological responses to the drought. Increased angling mortality, harvest, and angling pressure are the key components used to evaluate potential effects associated with degraded environmental conditions and will need to be evaluated on a water by water basis and over time as conditions change.

To ensure that fisheries are protected under critical conditions stemming from the drought, the Department is proposing a set of triggers to guide fishing closure and reopening decisions. The Department's decision to close or open a water will be based on the most current information available, collected by professional staff trained in the associated fields. Criteria for evaluating aquatic conditions are based on site-specific monitoring efforts with an emphasis on listed fish species, species of special concern, and gamefish.

The following proposed criteria will be used to determine if an emergency fishing closure or associated reopening is warranted:

Any water of the state not currently listed in Section 8.00 of these regulations may be closed to fishing by the Department when the Director, or his or her designee, determines one or more the following conditions have been met:

- Water temperatures in occupied habitat exceed 70° Fahrenheit for over eight hours a day for three consecutive days.
- Dissolved oxygen levels in occupied habitat drop below 5 mg/L for any period of time over three consecutive days.
- Fish passage is impeded or blocked for fish species that rely on migration as part of a life history trait.
- Water levels for ponds, lakes and reservoirs drop below 10% of their capacity.
- Adult breeding population levels are estimated to be below 500 individuals.

All waters closed pursuant to this section will be reopened by the Department when the Director, or his or her designee, determines all of the following conditions have been met:

- Water temperatures in occupied habitat do not exceed 70° Fahrenheit for over eight hours a day for seven consecutive days.
- Dissolved oxygen levels in occupied habitat rise above 5 mg/L and are maintained at that level for seven consecutive days.
- Fish passage is available and that no impediment exists to strand or concentrate adults or juveniles during their migration.
- Water levels for ponds, lakes and reservoirs have recovered to greater than 10% of their capacity.
- Adult breeding populations are estimated to be recovered to greater than 500 individuals.

Justification and associated data for closure and reopening decisions will be provided to the Commission for any water that is subject to a fishing closure.

The Department and the Commission will work together to formulate a regular rulemaking proposal that will refine the approach and associated language based on experiences learned, feedback from the public, and revisions to increase the efficacy of this emergency action.

II. Impact of Regulatory Action

The potential for significant statewide adverse economic impacts that might result from the proposed regulatory action has been assessed, and the following determinations relative to the required statutory categories have been made:

- (a) Costs or Savings to State Agencies or Costs/Savings in Federal Funding to the State:

None.

(b) Nondiscretionary Costs/Savings to Local Agencies:
None.

(c) Programs Mandated on Local Agencies or School Districts:
None.

(d) Costs Imposed on Any Local Agency or School District that is Required to be Reimbursed Under Part 7 (commencing with Section 17500) of Division 4, Government Code:
None.

(e) Effect on Housing Costs:
None.

III. Authority and Reference

The Fish and Game Commission proposes this emergency action pursuant to the authority vested by sections 200, 202, 205, 240, and 315 of the Fish and Game Code and to implement, interpret, or make specific sections 200, 202, 205, 240, and 315 of said Code.

IV. Section 240 Finding

Pursuant to Section 240 of the Fish and Game Code, the Commission finds that the adoption of this regulation is necessary for the immediate conservation, preservation, or protection of birds, mammals, reptiles, or fish, including, but not limited to, any nests or eggs thereof.

Informative Digest (Plain English Overview)

California continues to suffer under severe drought conditions with record low snow packs in 2014 and 2015. In early 2014, Governor Edmund G. Brown Jr. proclaimed a State of Emergency for California directing state officials to take all necessary actions to prepare for the record level of drought conditions and also signed an Executive Order redoubling state drought actions with additional measures to strengthen the state's response to drought. On April 1, 2015, the Governor ordered state agencies to impose statewide mandatory water restrictions that will save water, increase enforcement against water waste, streamline the state's drought response, and invest in new drought resilient technologies for California.

The hydrological conditions in 2015 are expected to deteriorate from the record low 2014 conditions. The Department of Fish and Wildlife (Department) continues to evaluate and manage the changing impacts of drought on threatened and endangered species and species of special concern, and develop contingency plans for state Wildlife Areas and Ecological Reserves to manage reduced water resources in the public interest.

Statewide water quality and quantity in many systems is likely to be inadequate to support fisheries as the summer progresses, resulting in impeded passage of spawning fish, increased vulnerability to mortality from predation and physiological stress, and increased angling harvest and/or hooking mortality. Furthermore, survival of eggs and juvenile fish in these systems over the coming months will be extremely low. The historically low water conditions will concentrate coldwater fish populations into shrinking pools of cold water habitat making them easy prey for illegal angling methods such as snagging, increased hooking mortality due to legal catch and release, over-harvest, as well as other human-related disturbances within their freshwater habitat. When coupled with drought-related

environmental stressors, such as high water temperature, poor water quality, and severely reduced suitable habitat, these stressors can seriously affect reproductive success and survival rates.

Since 2014, the Department has worked with the Fish and Game Commission (Commission), using the best available science, to determine whether restricting fishing in certain areas will become necessary and prudent as drought conditions persist. The Department and the Commission have determined that a temporary approach is needed to give the Department effective tools to respond more rapidly to the deteriorating water quality and quantity conditions in California's rivers and streams for 2015.

The following proposed criteria will be used to determine if an emergency fishing closure or associated reopening is warranted:

Any water of the state not currently listed in Section 8.00 of these regulations may be closed to fishing by the Department when the Director, or his or her designee, determines one or more of the following conditions have been met:

- Water temperatures in occupied habitat exceed 70° Fahrenheit for over eight hours a day for three consecutive days.
- Dissolved oxygen levels in occupied habitat drop below 5 mg/L for any period of time over three consecutive days.
- Fish passage is impeded or blocked for fish species that rely on migration as part of a life history trait.
- Water levels for ponds, lakes and reservoirs drop below 10% of their capacity.
- Adult breeding population levels are estimated to be below 500 individuals.

All waters closed pursuant to this section will be reopened by the Department when the Director, or his or her designee, determines all of the following conditions have been met:

- Water temperatures in occupied habitat do not exceed 70° Fahrenheit for over eight hours a day for seven consecutive days.
- Dissolved oxygen levels in occupied habitat rise above 5 mg/L and are maintained at that level for seven consecutive days.
- Fish passage is available and that no impediment exists to strand or concentrate adults or juveniles during their migration.
- Water levels for ponds, lakes and reservoirs have recovered to greater than 10% of their capacity.
- Adult breeding populations are estimated to be recovered to greater than 500 individuals.

Justification and associated data for closure and reopening decisions will be provided to the Commission for any water that is subject to a fishing closure.

The Department and the Commission will work together to formulate a regular rulemaking proposal that will refine the approach and regulatory language based on experiences learned, feedback from the public, and revisions to increase the efficacy of this emergency action.

Benefits: The proposed regulation will provide benefits to the environment through the conservation and preservation of listed species, species of special concern, and gamefish populations.

The proposed regulations are neither inconsistent nor incompatible with existing state regulations. The Legislature has delegated authority to the Commission to promulgate sport fishing regulations (sections 200, 202, 205, 240, and 315 Fish and Game Code).

At the June 11, 2015 meeting, the Commission approved the proposed emergency regulations with the addition of the Department web site: <https://www.wildlife.ca.gov/Regulations> as another avenue to provide public notification of the Department actions under the temporary emergency regulations.

Regulatory Language

Section 8.01, Title 14, CCR is added to read:

Section 8.01. Special ~~Gear Provisions~~ Measures for Fisheries at Risk due to Drought Conditions.

(a) In response to continued extreme drought conditions, the commission has established a quick response process to temporarily close fisheries experiencing degraded environmental conditions that may affect fish populations or their habitat within waters of the state. The criteria set forth in subsections (b) and (c) are intended to ensure that fisheries are protected under critical conditions stemming from the drought. These criteria will be monitored in statewide inland fisheries, and they will be evaluated on a water by water basis over time as conditions change.

(b) The department may close to angling any waters of the state not currently listed in Section 8.00 of these regulations if the director, or his or her designee, finds one or more of the following conditions have been met:

(A) Water temperatures in occupied habitat exceed 70° Fahrenheit for over eight hours a day for three consecutive days

(B) Dissolved oxygen levels in occupied habitat drop below 5 mg/L for any period of time over three consecutive days.

(C) Fish passage is impeded or blocked for fish species that rely on migration as part of a life history trait.

(D) Water levels for ponds, lakes and reservoirs drop below 10% of their capacity.

(E) Adult breeding population levels are estimated to be below 500 individuals.

(c) Waters closed pursuant to subsection (b) shall be reopened by the department when the director, or his or her designee, finds all of the following conditions have been met:

(A) Water temperatures in occupied habitat do not exceed 70° Fahrenheit over eight hours a day for seven consecutive days

(B) Dissolved oxygen levels in occupied habitat rise above 5 mg/L and are maintained at that level over seven consecutive days.

(C) Fish passage is available and no impediment exists to strand or concentrate adults or juveniles during their migration.

(D) Water levels for ponds, lakes and reservoirs have recovered to greater than 10% of their capacity.

(E) Adult breeding population levels are estimated to be recovered to greater than 500 individuals.

(d) It shall be unlawful to take fish in any waters of the state closed to angling pursuant to this Section.

(e) Notification of department actions.

(1) The department shall maintain a list of closed waters of the state and update that list on Wednesday of each week by 1:00 pm. In the event that water conditions change later in the week, the fishing status for each specific water will not change until the day following the next Wednesday. It shall be the responsibility of the angler to use the telephone number provided below or go to the department's website at <https://www.wildlife.ca.gov/Regulations> to obtain the current status of any water. The number to call for information is (916) 445-7600.

Note: Authority cited: Sections 200, 202 and 240, 205, 240, and 315 Fish and Game Code.

Reference: Sections 200, 202, 205 and 240, 240, and 315, Fish and Game Code.

FILED